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#include <Servo.h>
int servoPin = 9;
Servo servo;
int angle = 0; // servo position in degrees
int photocellPin = 0;

void setup()
{
  servo.attach(servoPin);
  //Serial.begin(9600);
}

void loop()
{
  int reading = analogRead(photocellPin);
  int newAngle = reading/3 - 100;
  //Serial.print(newAngle);
  //Serial.print("\n");
  servo.write(newAngle);
  delay(60);
}
```